

FINDS THE FRANKLIN  
HAS OVERSIZE TIRES

U. S. Board Learns This Is  
Only Car Exceeding Tire  
Makers' Demands.

Only recently it has come to official notice how great waste in tires is due to using equipment of too small dimensions. When the Commercial Economy Board at Washington was presented with a comparison between the tire equipment actually carried by twenty-one of the leading makes of automobiles and the equipments recommended by the tire manufacturers, based on the weight of the car with load, the astonishing fact was revealed that only seven of the cars listed are equipped with tires as large as called for by the tire companies.

**Now a Universal Question.**  
The new regulation sanctioned by the Government greatly reduces the number of the sizes, so that this question of proper equipment must again be taken up by all motor car manufacturers. It has developed from the tabulation of the nearest new sizes for this same list of automobiles that only one more car, as a total of eight, will be equipped with tires as large as recommended by the tire companies.

In commenting on this condition, Glenn A. Tisdale, New York distributor for the Franklin Automobile Company, pointed out that the Franklin car was the only one in the list that exceeded the tire size prescribed by the tire manufacturers. Mr. Tisdale said that the Franklin company has always done its own figuring on tire equipment, basing the requirements on the same engineering principles on which the strength and wearing qualities of any other part of the car are based.

## The Unsprung Parts' Weight.

The Franklin company is constantly conducting experiments on different sizes and different types of tires in order to get informed as to just the right combination to render maximum mileage. It is a Franklin principle which is becoming recognized more and more by other car makers, that tire mileage is governed greatly not only by the total weight of the car but also by the weight of the unsprung parts which bear directly on the tires. This point of design is largely responsible for the ample tire equipment which has always been found on Franklin cars.

Just those elements that make a car easy riding also make it easy on tires, should be remembered.

## ROAMER

"America's  
Smartest  
Car"

A CAR BUILT on  
foreign lines—that  
has character and individuality—a car for  
those who desire something distinctive and classy—a car that  
has reached a point of perfection through the untiring efforts  
of its manufacturers to perfect every detail.

You can incorporate your own color scheme in a Roamer,  
for we will paint and upholster without extra charge.

Town Cars, Limousines, Coupes, Cabriolets,  
Sedans, Touring Cars and Roadsters, for  
IMMEDIATE DELIVERY

ROAMER SALES CO., 1794 Broadway  
Tel. Circle 5262-3

## Twenty-one Tons of Logs on Mack Semi-Trailer



This picture shows 6,000 feet of spruce timber carried on a Mack "AC" tractor and semi-trailer owned by the White River Spruce Company of Enumclaw, Wash.

## NEW VICE-PRESIDENTS.

Republic Tire Sales Director and  
Engineer Advanced.

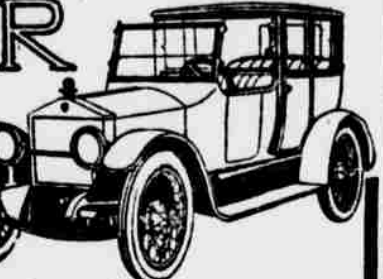
The growing importance of the Republic Rubber Corporation in the tire making industry under the direction of Guy E. Norwood, president, is evidenced by the announcement of Mr. Norwood that Harvey J. Woodard and Mark W. Roe have been advanced and made vice-presidents.

Mr. Woodard became vice-president in charge of sales and Mr. Roe, vice-president in charge of plant.

The former came to the Republic company with an experience of eighteen years as a sales executive and his vigorous policy soon showed in the selling organization.

Mr. Roe, who has had thirteen years experience in rubber plant engineering, joined the Republic as consulting engineer soon after Mr. Norwood assumed the presidency.

Both Mr. Woodard and Mr. Roe are credited with a large part in the advance which the company has made in the last eighteen months.

4 CHANDLER CARS  
IN GARDEN EXHIBIT

Supplementary Show to Be  
Held in Headquarters at  
1886 Broadway.

The Brady-Murray Motors Corporation, distributor of the Chandler car, has just announced details of its exhibit in the passenger car section of the nineteenth New York automobile show, which is to be held from February 1 to February 8 in the Madison Square Garden and the Sixty-ninth Regiment Armory.

The corporation plans to exhibit four Chandler cars, the seven passenger touring car, seven passenger convertible sedan, four passenger coupe and four passenger sedan. Its booth is No. 3 in the Garden.

On account of the limited space available in the Garden the corporation plans also to hold a supplementary show in its headquarters, 1886 Broadway, where it will have on display additional models, besides those shown in the Garden. Other New York dealers will follow suit in holding supplementary shows along Automobile Row.

## DRIVES BETHLEHEM TRUCK.

Movie Actress Lends a Hand in  
War Work Campaign.

SAN FRANCISCO, Jan. 4.—Some of the most interesting work in San Francisco during the United War Work Campaign, November 11 to 18 was accomplished by a corps of young ladies who used a two and a half ton Bethlehem motor truck as a novel lecture platform and center of attraction.

Miss Muri Mero, who just returned from France, where she saw actual war duty driving an ambulance for the American Red Cross, drove a large Bethlehem truck during the entire war drive, covering practically every active center in San Francisco and collecting thousands of dollars. Miss Mero related her experiences to San Franciscoans and was always sure of a responsive audience.

## EXHIBITORS AT COMING SHOW.

Complete List to Date of Cars and Trucks.

The exhibitors for the nineteenth annual New York Automobile Show in the Sixty-ninth Regiment Armory and Madison Square Garden will be as follows, the figures showing the space allotted:

Passenger car exhibits, February 1-8:  
Auburn, 29; Baker, 30; Oakland, 22;  
Chandler, 8; Buick, 13; Chalmers, 43-46;  
Dodge, 25; Crow, 74; Oldsmobile, 19;  
Cunningham, 73-78; Davis, 80;  
Cadillac, 3; Darr, 32; Elgin, 50; Cole, 27;  
Roamer, 57-59; Franklin, 64;  
Vette, 21; Buick, 60, 82; Pierce-Arrow, 20;  
Haynes, 9; Hudson, 500; Hupp, 54;  
Nash, 15-22; Premier, 53; King, 77-78;  
Lexington, 52-53; Locomobile, 18;  
Jordan, 3-71; 72; McPherson, 51;  
Empire, 1-52; Marmon, 16; Maxwell, 4; Moon, 6; Mitchell, 10; Owen Magnetic, 68; Liberty, 49; Packard, 14;  
Paige, 65-66; Stutz, 21; National, 12;  
Scotch-Booth, 28; Daniels, 11; Reo, 25;  
Saxon, 73; Kissel-Kar, 11; Apperson, 15-22;  
Phinney, 15-22; Phinney, 15-22; Denby, C-2; Diamond T, 8-4; Economy, 460-3; Garford, 8-4; Vette & Atlas, M-3;  
Bethlehem & Graham, A-1; Truxton, C-2; Stewart, T-3; Polson, V-1; Hurlbert, R-6; Jaxon, Equip. Truck, V-3;  
Nash, R-5; Kelly-Springfield, R-2; Sanford, 401-5; Hall, B-2; Baker, M-1; Maxwell, R-4; Monominee, T-3; Grant, H-3;  
Filton, D-1; Layton-Trailer, C-1; Packard, M-2; Paige, T-4; Macar, S-3;  
United States, M-4; Rainer, S-7; Columbus, B-1; Reo, G-1; Schacht, S-2;  
Shaw Taxi, B-3; Giant, H-2; Federal, K-1; Sterling, T-1; Sullivan, R-7; Wilcox, S-5; Signal, R-1; Troy Trailer, 406-10; Republic, R-4; Ward La France, T-7; Onida, B-1; Overland, M-7; Traffic, —; Tower, —; All American, —; Commercial Car unit, —.

## Locking Screws.

It is possible to lock screws in the magnetos or generator or in any location where they are sunk into soft metal by forcing out a small jar of metal from the screw threads. This point forces its way into the softer metal and prevents the screw from turning.

AUTOMOTIVE MEN  
WILL HEAR EXPERTS

Leading Automobile Engineers  
to Speak at Convention  
Here During Show.

More than 500 tickets already have been taken for the Victory Dinner of the Society of Automotive Engineers to be given in the Hotel Astor, February 6. It is expected that the number of S. A. E. members in attendance, together with their guests, will amount to 2,000.

This social gathering of the automotive engineers will, aside from S. A. E. members, include the most promising annual meeting held by the men who developed the American motor car and motor truck and are responsible largely for the progress made in aeronautics, motor boats, farm tractors and semi-portable farm units.

Four technical sessions will be held on February 5 and 6, the standards committee making its final recommendations to the society for the current half year on February 4.

## Fuel and Its Changes.

Changing fuel conditions will necessitate some radical modification of engine and of the mechanical structures on which they are based. It will be pointed out. Better thermal efficiency must be had.

President Charles P. Kettering will tell of the results of his investigations of more efficient utilization of fuel. Several government experts will speak. The effect of aeronautic engineering practices on motor car design and construction will be discussed comprehensively by H. M. Crane of the Simplex Motor Car Company, Howard Marmon of Nordyke & Macdonald and O. E. Hunt of the Packard Motor Car Company. D. McCall White of the Cadillac Motor efficiency automobile engine. Thermodynamic cycles of the future will be treated by Sidney A. Reeve.

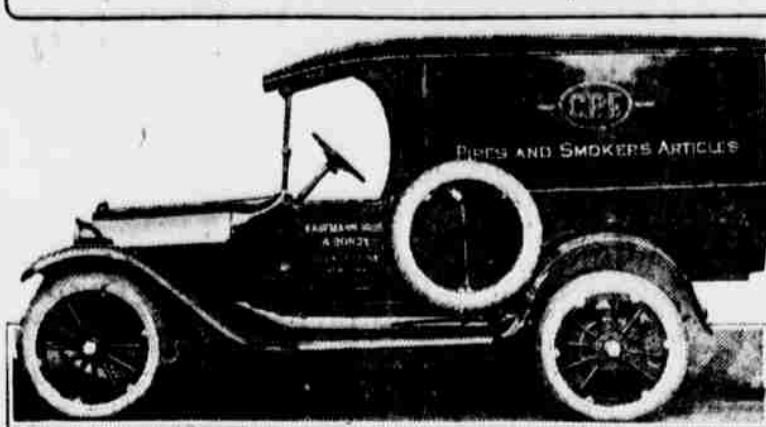
A. Ludlow Clayton will open a discussion on the need for lighter and more efficient cars.

In connection with motor truck engineering John G. Uta will give historical notes on military truck standardization and Major A. B. Browne is scheduled tentatively to outline some lessons in truck design developed by the war.

## Packard Expert to Speak.

Live topics involved in the design and use of tractors of the farm, industrial and

## Dodge Business Cars Popular



The record that Dodge Bros. business cars have made everywhere for low operating cost, freedom from repair and ample haulage capacity is so notable that New York individuals and corporations have not the slightest hesitation in adopting them for their light delivery needs.

They say, furthermore, that these cars are so efficient and dependable and

military types are to be taken up. Lieut.-Col. Herbert W. Alden will speak on the U. S. Army tanks. Lieut.-Col. William H. Wall will analyze automotive ordnance apparatus. A paper by G. W. Watson on British tanks is expected from England. Edward H. Hewitt will present a paper on the principles of the wheeled farm tractor.

The most spectacular, and in a way the most compelling session, will be that on aeronautics. John W. Smith will describe the fixed radial cylinder type of aeronautic engine. J. G. Vincent of the Packard Motor Car Company, and until recently chief of the Airplane Engineering Division, Bureau of Aircraft Production, will give an authoritative and complete statement regarding the Liberty engine. An entertaining and illuminating presentation on forest products for aircraft use will be made by Clyde H. Teasdale. Lieut. Alexander Klein and Grover C. Loening will treat of proportioning planes to engines and of high speed planes respectively.

The Navy Department will cooperate very generously in the programme.

**NEWARK SPACE DRAWING JAN. 30.**  
Space drawing for locations at the annual automobile show to be held in the First Regiment Armory, Newark, February 15 to 22 will take place January 30. This was decided upon at a meeting of the New Jersey Automobile Exhibition Company. Joseph J. Bell (Buick) president, W. Mason (Vette and Peerless) vice president and H. A. Bussard (Dodge) secretary and treasurer.

The result of all this engineering research has been to give the Aero-Eight a power range from two to twenty miles per hour on high gear. This is coupled with remarkable economy of performance, as long tests have shown that the average car gives fourteen miles to the gallon of gasoline.

**BROOKLYN'S DOUBLE SHOW.**  
Will Be Held March 20 to April 12 in 23d Regiment Armory.

Brooklyn automobile dealers already are making preparations for the annual motor vehicle show which, as in previous years, will be held in the Twenty-third Regiment Armory on Bedford avenue. Again the Brooklyn exposition will be in two sections. The first, devoted to passenger cars, will be held from March 20 to April 5, while from April 8 until April 12 commercial vehicles will occupy the commodious armory building.

Arthur Randall has been elected chairman of the show committee of the Brooklyn Motor Vehicle Dealers Association, under whose auspices these annual motor events are held in Brooklyn.

## Newest Stewart Product



The Stewart Motor Truck Company's latest product, a 3½ ton vehicle, the first of which reached the Herrman Motor Truck Company, New York, distributors, last week. In a recent 2,000 mile test by the United States Government, the truck achieved a perfect score.

TIRE CHAINS ONLY  
ANTI-SKID AIDS

Alone Can Really Prevent 90  
Per Cent. of Motor Car  
Accidents.

Slipping is the greatest danger that besets the motorist. It comes without warning, turns pleasure into peril and takes enormous toll in human lives and wrecked cars.

Statistics prove that fully 90 per cent. of motor car accidents and fatalities are due, directly or indirectly, to skidding. When a car starts to go it's usually a "goner." There is no time to wait or cogitate. There is no chance to adjust differences between the car and the slippery street. The only thing to do is to surrender to the inevitable.

Life can be lost but once—frightful injuries may happen frequently. You cannot afford to deny yourself, your family or others the luxury of physical existence. You cannot afford to coast calamity. Then why drive a car unequipped to conquer the hazards of slippery streets and roads?

## Best Brakes Helpless.

You would consider it foolhardy to drive a car with faulty brakes. Yet the best brakes cannot prevent skidding. There must be even and secure traction action—not merely brake action. Brakes can only control the rotary motion of the wheels. They cannot stop the slide of rubber tires.

Rubber grips. Rubber will agree to anything the road has to offer. It is the weaker element. It slides on wet pavements like a cake of soap rubbed on the moistened hand. Rubber lacks the bite and tang on ability to prevent skidding.

Nothing has ever been invented in the way of anti-skid devices to equal tire chains, and it doesn't require the gift of second sight to see why this is true.

Wheels equipped with chains automatically lay their own traction surface. Friction is effected without affecting the tires. They strike the ground squarely—hold and release instantly. They fight for firm contact, always gain their ground, prevent side skid and drive slip. Suppose two rows of pebbles were strewn directly in front of the wheels of your car. They would form a gripping surface, yet the traction efficiency could not be better than that afforded by tire chains. They are the only anti-skid device that has proved that it cannot be improved.

## Chains Only Safe Measure.

Anti-skid chains make the best of bad going wherever you go. You may be lulled into a false sense of security by the good behavior of your car on dry, paved streets. But what about the country roads? To motor on icy or muddy roads without tire chains is like working a roadboat in midchannel.

## MOTOR TRUCKS FOR RENT

Our Fleet of Pierce Arrow Trucks at your service for Every Purpose, by day, month, or year.

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Office 330 W. 44th St. Garage  
Bryant 8815-8816

Secretary Daniels states  
that all future Capital Ships  
of the U.S. Navy will be  
electrically driven

The significance of this decision lies in the well-known fact that, because of the great resistance of water against a propeller, no high-speed (or automobile) engine has ever been serviceably successful in driving even a small speed boat. No greater demonstration is therefore possible of the efficiency and economy of the electrical drive.

ELECTRICAL DRIVE  
IN FUTURE WARSHIPS

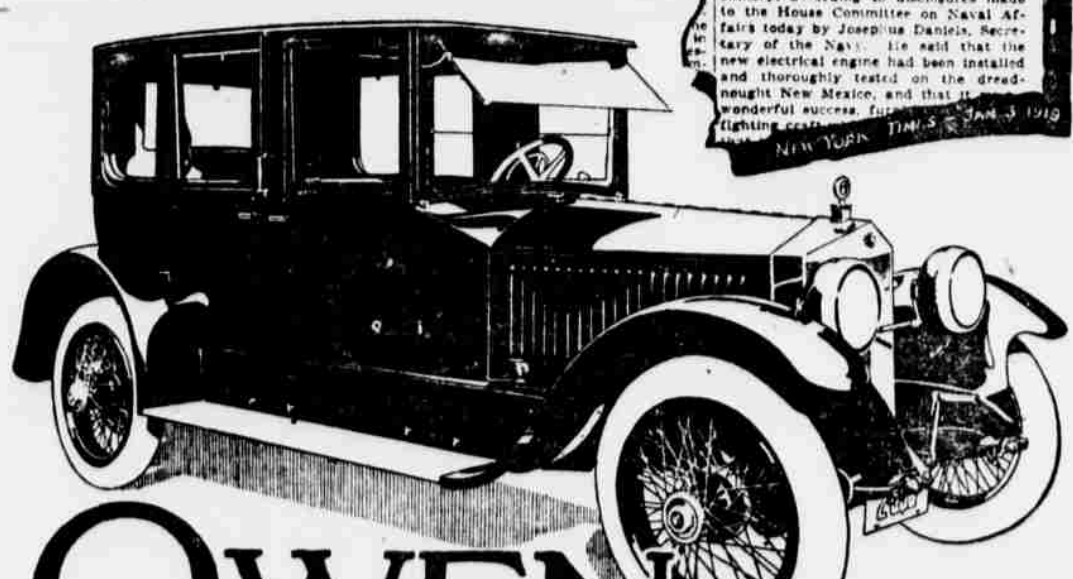
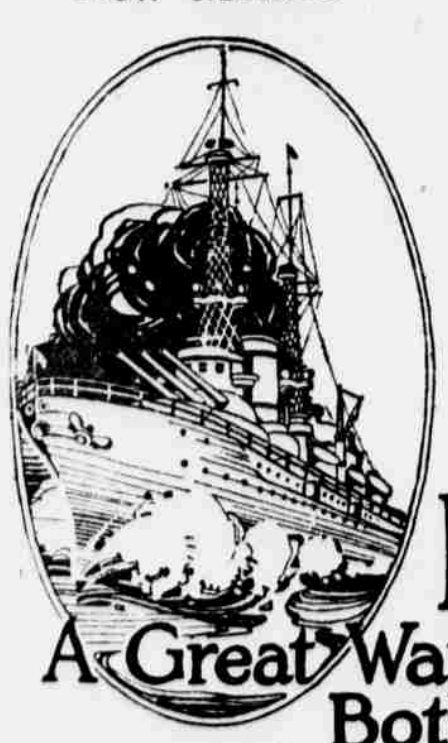
All Capital Vessels Will Be  
Equipped with It, Says  
Secretary Daniels.

## TESTED ON NEW MEXICO

Greater Speed on Less Fuel Shown  
—Department to Hasten Dis-  
charge of Men Who Desire.

Special to The New York Times.  
WASHINGTON, Jan. 2.—All new capital ships of the American Navy will be equipped with electric propulsion machinery, according to disclosures made in the House Committee on Naval Affairs today by Joseph Daniels, Secretary of the Navy. He said that the new electrical engine had been installed and thoroughly tested on the dreadnaught New Mexico, and that it demonstrated wonderful success, fuel economy and lightning speed.

U. S. S.  
New Mexico

OWEN  
MAGNETIC  
A Great Warship and a Great Automobile  
Both Driven Electrically

Demonstration by Appointment. Phone 898 Circle.

Owen Magnetic Motor Sales Corp., Broadway at 57th St.

Would You Wait Three  
Months for a Super-Six?

## An Early Shortage Seems Certain

Thousands have waited months for Hudsons. Others will have to if they want an open model and do not make their choice now.

Normal factory conditions cannot be resumed much before June. Present production is being concentrated on closed cars, for which there is an immediate demand.

No open car models will be turned out for several months. The dealers—or some dealers to be exact, for all are not in the position—have a few open car models. They are all they have to meet the early Spring requirements.

When they are gone you must wait until the factory can get back to normal open car production schedule.

Such is the recognition the motor-buying public has given the Super-Six.

What car has received a finer endorsement for endurance and value? It holds all

worth-while records for stock cars in speed, acceleration, hill climbing, and reliability.

You can get a seven-passenger phaeton model for \$2,200, now. Premiums have been paid for prompt delivery of Super-Sixes.

Think of the demand there will be for the few open models now in stock throughout the country when the Spring buying season opens and people realize it will be June before full normal production can be resumed.

Our stock can not last more than a few days then.

The White Triangle Identifies 60,000 Super-Sixes

## HUDSON MOTOR CAR CO. of N. Y., Inc.

Circle Building, Broadway at 61st Street, New York

Brooklyn  
1422 Bedford Ave.

New Rochelle  
291 Main Street

Newark  
866 Broad Street

Bronx  
2460 Grand Concourse

White Plains  
188 Martine Ave.

Plainfield  
192 East Front St.



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